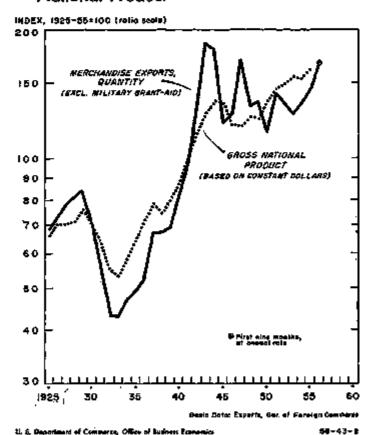
Exports and Domestic Business

EXPANSION in export business stands out as one of the important demand factors underlying the buoyancy of the domestic economy in 1956. Merchandise exports (excluding military aid goods) climbed to an unprecedented \$16.8 billion at an annual rate during January-October 1956, up nearly 20 percent from the like period of 1955. Taken as an aggregate, exports during 1956 claimed a larger share of national output than in any year since the post-Korean boom period of 1951.

Merchandise Exports and Gross National Product



During 1956 and throughout the postwar period exports, particularly of agricultural items, have been facilitated by Government aid and special financing arrangements. Exports (excluding military aid) over the period 1946-56 have aggregated \$143 billion while Government net economic aid since the end of World War II has totaled about \$39 billion.

NOTE.—MISS BRADSHAW, MR. ROXON, AND MR. LECHTER ARE MEM-BERS OF THE BALANCE OF PAYMENTS DIVISION, OFFICE OF BUSINESS ECONOMICS. The major expansion in markets abroad during the current year makes particularly relevant the present study of long-run changes in the composition and direction of United States exports and their implications for the domestic, economy. The review, which covers the period from 1925 to 1956, complements a somewhat similar analysis of merchandise imports presented in the November 1955 issue of the Sunvay. Both studies have involved a complete reclassification of the foreign trade data into new commodity categories which can be compared with broad domestic andforeign indicators of production and demand as well as output in individual domestic industries.

Exports and gross national product

The chart pictures the overall comparisons of the movements since 1925 of gross national product expressed inconstant dollars and the volume of exports of domestically-produced goods. Over this long period the average yearly increase in the real gross national product was 3 percent while the annual increment in the volume of export business

averaged 2.6 percent.

The 1956 ratio of exports to gross national product is near the ratio associated with the post-Korean scare-buying period of 1951 although below that of the years immediately following World War II—particularly in 1947 when pent-up demands abroad resulted in a record volume of exports. Each of the consecutive annual gains in exports over the past three years, however, has resulted in a higher relationship of exports to the gross national product. In 1954 exports expanded and thus aided in offsetting a moderate dip in other components of the gross national product, while in 1955 and 1956 the growth in export sales was proportionately greater than the increase in domestic sales of the Nation's overall output.

The claim of expects on the gross national product during 1956, moreover, is relatively greater than during the 1930's—including the years immediately preceding World War II when exports had regained much of the ground lost during

the recession of 1930-32.

As compared to the 1920's, however, exports—notwith-standing their recent gains—have declined relative to the gross national product. This development, which must be attributed mainly to the changes in the flow of dollars abroad and other demands on foreign dollar resources, appears to have affected mostly our agricultural exports over this period. From 1929 to January—September 1956 the quantity of agricultural exports increased by about one-third while the gross national product in constant dollars expanded by around 120 percent. Over the same period, the volume of nonagricultural exports had risen relatively faster than the gross national product—by almost 140 percent.

It is true that the expansion in the volume of agricultural

It is true that the expansion in the volume of agricultural exports since 1929 has been proportionately about as great as the real rise in gross farm product while the long-term increase in nonfarm exports matched an almost equal relative growth in the volume of nonfarm gross national product. Yet the fact that agricultural exports have continued

throughout the entire period to account for a relatively much larger component of total exports than farm product has of the aggregate national product, accounts in large measure for the decline in the overall relationship between total exports and total domestic output.

In further evaluating the somewhat greater rise in gross national product than in exports since the 1920's it should be noted that a considerable portion of the long-term rise in gross national product has consisted of Government services and other nonmerchandise items. Hence the ratio of exports to domestic output of movable goods alone shows an even more moderate decline than the ratio of exports to the overall gross national product.

Notwithstanding their reduced claim on domestic output since the 1920's, exports during intervals of declining domestic business activity have behaved more favorably in the postwar period than in prewar years. In 1948-49 as well as during 1958-54, the volume of exports expanded and thus compensated in part for the slack in domestic demands. This contrasts with developments in 1930-32 when a relatively sharper drop occurred in exports than in domestic business, largely because of the rapidly shrinking outflow of United States capital. In 1937-38 exports also dipped although on slightly and relatively far less than domestic output.

The relationship between exports and gross national product in current dollars would be substantially similar to that pictured in the chart. The current value data, however, show a much steeper decline in exports relative to the gross national product during the early 1930's. During that period prices of farm products, which weigh far more heavily in exports than in gross national product, moved downward considerably faster than prices of other goods. Looking at the more recent period, 1954–56, the rise in the current value of exports relative to the current value of gross national product is somewhat less accentuated than that shown on the constant value chart due to the downtrend in export prices of some major agricultural export items.

Trends in the relationship of exports to the gross national product obviously provide only a summary evaluation of the changing claim of exports on domestic economic output. Hence in the discussion which follows, broad shifts in the recommodity structure and direction of exports are analyzed

and related to basic developments abroad and corresponding changes in the output of major groups of domestic industries.

Changed commodity structure of exports

For purposes of this study, exports have been reclassified into four major categories: Capital equipment, consisting of machinery and commercial transportation equipment; producers' supplies and materials including both crude and fabricated materials (except food and drugs); food and drugs; and finished consumer items except food and drugs. These groupings, in turn, have been subdivided into their respective agricultural and nonagricultural components.

The chart on p. 10 contrasts the patterns of change since 1925-29 in each of these major categories of exports, and illustrates the extent to which nonagricultural products (excluding food and drugs), particularly capital equipment, dominated the rise in exports from the prewar to the postwar

periods.

In the first 9 months of 1956 our foreign customers had raised their dollar expenditures for United States-produced capital equipment to an annual rate of \$5.2 billion or by nearly 600 percent as compared with 1925-29 and by over 900 percent as compared with 1930-39. Exports of machinery and commercial transportation equipment, moreover, comprised nearly one-third of total domestic exports during January-September 1956, a share greatly in excess of that prevailing during either the 1920's or the 1930's (see table 1).

The less spectacular but nevertheless significant growth since the prewar years in foreign purchases of nonagricultural producers' supplies and materials is also highlighted in the chart and contrasts sharply with the behavior of exports of agricultural materials over the same period. Whereas in January-September 1956 the value of exports of nonagricultural materials had climbed to \$5.6 billion at an annual rate as compared with yearly averages of \$1.7 billion in 1925-29 and hardly \$1.0 billion in the 1930-39 period, the current rate of agricultural raw material exports is scarcely higher than in the years 1925-29. The latter development reflects primarily the declining relative importance of raw cotton which comprised 18 percent of total United States exports in 1925-29 and considerably less than 5 percent in recent years.

Notwithstanding its far less prominent role as a supplier of raw material exports, the agricultural sector of the

Table I.—Domestic Exports of Agricultural and Nonagricultural Products, by Economic Categories, 1925-56

14Dis 1.—Dolli															
			_	Yearly (verages				1984		1055		1956 · (FanSept. at		
Category	1025	J-29	29 1930-39		1046-40 105		105	0-53						annual rate)	
	Million dollars	Percont	Million dallats	Percent	Mulian dollars	Percont	Millian dollara	Percent	Million dollars	Porcent	Million dellars	Percent	Multon dollars	Percent	
Total domestic experts, adjusted (excluding military grant aid) 1	4,874	100.0	2,545	100.0	12,197	100.0	12, 103	200.0	12, 707	700,0	4,116	100.0	16,976	100.0	
Agricolium)	1,890 2,994	88.0 61.4	783 1, 765	\$0.8 60.*	3, 543 B, 804	##.# 70.6	8, 200 9, 3 94	97.1 78.0	3, 054 0, 652	# 1 75.0	3, 196 10, 920	88.7 77.8	3, 794 J2, 582	28. 8 70. 8	
Producers' supplies and materials	2,800 1,103 1,887	57. 4 82. 6 84. 8	1, 474 601 973	57. 8 19. 7 58. 1	4, 827 1, 012 3, 816	39.8 8.4 51.4	Д, 194 1, 367 3, 827	42.0 11.2 42.0	5, 460 I, 406 4, 062	0.84 11.1 0.18	6,068 1,183 4,975	44.0 84.6 84.6	8, 858 1, 218 6, 640	87.7 37.9 11.6	
Capital equipment	765	18.7	527	80.7	3, 332	\$7.4	3, 664	80.0	4,007	\$1.\$	4, 350	\$0.8	5, 316	31.0	
Food and drugs. Agricultural Nonagricultural (usinly drugs)	872 777 45	18.9 16.0 .9	312 283 20	12,3 11,1 1.8	2, 765 2, 631 294	##,# #0,# #,0	2, 205 1, 032 273	18. 1 18. 9 8. 8	1, 038 1, 046 392	18.8 18.0 2.2	2, 294 2, 013 271	16.6 14.5 1.8	2, 850 2, 576 283	17. 2 15. 7 1. 7	
Finished consumer goods (excluding food and drugs)	#1	8.8	233	9. 7	1, 073	8.8	978	80	1, 112	8.7	1, 246	2.8	1, 268	7.7	
All other and unclessified (mainly ship- monts valued under \$100)	6	, 7	1	a	10	1.8	154	1.8	170	1.\$	170	1.5	178	t.t	

^{1.} Unadjusted for seasonal variations. 2. Adjusted to exclude bousehold and personal effects and motion picture films experted on a royalty basis. Source: U. S. Department of Commerce, Office of Business Economics.

economy has accounted for the bulk of the increase since the prewar period in United States exports of consumer-type items. A comparison of the two lower panels on the chart shows that during the postwar years shipments of foodstuffs have far overshadowed our aggregate exports of a wide range of finished consumer items (except food and drugs). Throughout the postwar period, moreover, foodstuffs have comprised a considerably larger component of total United States exports than during the 1930's while finished consumer items (other than food and drugs) have become somewhat less important relative to the overall export picture.

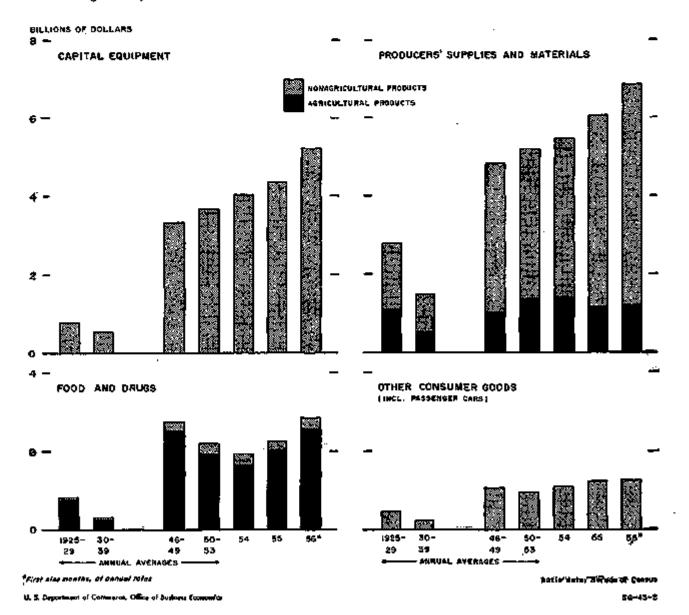
The relatively minor share of finished nonfood consumer items in our total postwar exports (less than 8 percent in January-September 1956) can be attributed, among other factors, to the discrimination against consumer goods in favor of capital equipment by means of import and foreign exchange controls in many of our leading foreign markets.

Shift to Western Hemisphere markets

These long-term variations in the commodity pattern of United States export trade obviously resulted to a major extent from shifts in the relative importance of our leading export markets, each of which has displayed its own distinct pattern of commodity demand. Most pronounced among such shifts since the prewar period has been the far greater prominence of Western Hemisphere countries, and the diminished role of European countries, as destinations for United States exports. This development, it will be recalled, is analogous to a somewhat similar secular change in the relative position of these areas as suppliers of United States merchandise imports. Such similar shifts in the geographical pattern of both our exports and imports as compared to the period before World War II are of course far from being coincidental, since the postwar rise in the quantity and price

Merchandise Exports by Economic Categories

Excluding Military Grant-Aid



of United States imports from Western Hemisphere countries has contributed prominently to their purchasing power. Moreover, the reemergence in recent years of other industrial countries as export competitors has not advanced sufficiently to substantially diminish the dominant position of the United States as a supplier in these markets.

Canada supersedes UK as leading market

Table 2 shows that in recent years, including the first 9 months of 1956, our customers in the Western Hemisphere claimed around one-half of total United States exports, whereas in each of the periods 1925-29 and 1930-39 their

combined share aggregated about one-third.

Currently, Canada alone accounts for one-fourth of our total export sales. In January-September 1956, Canadian purchases in the United States climbed to a record annual rate of \$4.1 billion and were over 5 times as great as our sales to the United Kingdom which had been the leading individual United States export market during the prewar period (see

Rise in Latin American export business

Although mainly due to the declining importance of Argentina as a market, the relative expansion in United States sales to Latin America as a whole was somewhat less remarkable than the corresponding increase in shipments to Canada, the growth in certain individual Latin American export markets, particularly Mexico, Colombia, and Venezuela, was proportionately even greater that than occurring in the case of the Canadian market (see table 2).

These long-term gains in exports to Western Hemisphere countries are in part a reflection of our increased importance relative to other exporting countries as a supplier of both Canadian and Latin American imports. The share of the United States in total Canadian imports rose from about three-fifths in 1937 to nearly three-fourths in the first half of 1956 while our proportionate contribution to aggregate Latin American imports increased over the same period from about one-third to roughly one-half.

Table 2.—Exports (including reexports) by Continents and Selected Countries of Destination, 1925-56

				Yearly	opposes				1964		1655		1956; (JanSopt. at	
Armand country	102	5-29	193	0-30	194	6-40	195	0-63						Sopt, at Litate)
	Мішоц фолотя	Persons	Mülion dollers	Percent	Million dollars	Percent	Million dollars	Porçont	Million dollars	Porcent	Million dollars	Percent	Million dollars	Percent
Total expects (excluding military grant aid),,	4,99(100.0	1,604	100,0	12, 245	200.0	12,346	100.0	12,853	190.0	14, 262	200.0	16, 570	109,4
Western Hamisphere Canada Other Mexico Cabo	1, 718 827 891 128 154	34.6 16.6 17.8 2.8 8.1	853 408 447 69 62	22.8 15.8 17.2 2.6 8.4	5,009 1,870 1,139 581 890	49.6 15.4 85.4 4.8 8.4	5, 168 2, 734 3, 424 635 486	49.8 49.7 5.1 5.0	5, 475 2, 966 8, 509 634 429	58.4 68.1 67.8 4.9 2.8 2.7	8,850 3,400 8,490 700 481	48.3 83.8 24.3 4.3	7, 900 4, 065 3, 935 804 489	48,2 61,6 88,7 1,9 8,0
Colombin Venezagin Argentina Brazil Chile Control American Republica	49 77 169 44 17	1.0 8.4 1.8 1.5	69 62 27 29 65 49 20	1.0 1.0 1.0	185 419 346 470 113 241		243 487 158 479 117 249	2,0 2,8 1,8 2,9 2,0	343 534 123 458 75 300	4.2 1.0 5.6 ±8	381 650 148 241 97 295	4,3 1,0 1,7 .6	347 511 202 268 137	3.7 3.7 1.4 1.7
Other)	137 3, 274	£.7 65.6	83 1.787	\$,3 67.2	438 7,334	8.6 58.4	590 6, 189	£8 \$0.2	€1.8 €. 3 78	49.6	677 1,372	∓8 51.7	742 8.580	51.8
Earspo, Sweden United Kingdom Belgium France Netbertandd Germany Switzerland Italy Spein Grave Yagoslavia Turkey Other	2,292 49 903 113 256 189 439 10 162 78 14 219	47.02.2.1.4.8.2.2.1.4.8.2.2.1.4.8.2.2.1.4.8.2.2.1.4.4.1.4.1.4.4.1.4.1.4.4.1.4.4.4.4	1, M1 455 455 121 138 138 148 148	55.17.2.4.5.2.5.1.0.8 5.17.2.4.5.2.5.1.0.8	1, 551 2, 552 2, 553 2,	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	1,378 113 672 294 369 263 263 263 71 72 66 414	7. 623.831.3	3. 1869 3. 186	2	4, 298 1624 319 369 476 556 164 556 154 96 480	20.1.1.0.2.0.2.2.2.2.2.2.2.2.2.2.2.2.2.2	4, 988 178 500 309 535 535 709 203 496 235 90 121 110 577	30.1 1.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5
Asia. India. Pakistan. Philippines. Japan. Koren. Luz. Luz. Luz. Luz. Janel. South Arabia. Thalland. Indechina (Victnam, Lace, Cambodia). China. Pormosa. Other 4	573 52 259 2.5.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	135 33 04 195 11. 8. 11. 22. 33 0. 4. 12. 33 0. 4.	10.1 1.3 2.5 7.6 0.8. .1 .1 .1 .1 .1 .1 .1	1,510 284 321 411 326 46 46 48 11 40 64 17 16 276 17 322	15.5 2.5 3.7 4 4 1.3 5 1.1 2.5 4 4.1 3.5 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1	2,855 803 877 977 982 999 999 999 999 999 999 999 999 999	25. 557 6587 6 657	2, 494 162 326 326 326 326 326 48 48 48 43 43 43	16.7 1.2 5.6 5.4 1.2 5.5 5.5 5.4 1.2 5.5 5.5 5.4 1.2 5.5 5.5 5.5 5.4 1.2 5.5 5.5 5.4 1.2 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5	2, 146 157 60 334 126 64 90 69 50 33	15.9 1.1 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	2,575 294 141 8111 759 167 73 39 97 76 61 70	25.5 5.6 5.6 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6
Oceania. Anstralia. New Zenland Other:	194 184 38 2	(a) 8.1 8.5	71 52 17 2	2.7 2.0 .0	196 144 46 6	I.6 1.2 .4	221 150 40 22	I.4 I.8 .8	263 190 43 30	2.0 1.5 .3	254 201 52 41	Z.I 1. i . i	255 165 46 44	1.6 (-0 .8
Africa. Egypt. Belgian Congo Unian of South Africa. Other 4.	109 11, 1 63 66 (2.2 .9 (2) 1.1 .9	90 0 t 50 30	3.4 (*) 1.0 1.6	679 48 43 350 240	6.5 -4 8.8 1.9	536 42 58 196 216	1.8	10 10 19 220 200	4.8 .5 .4 1.8 £.8	635 79 53 261 242	4,5 .4 £8 £.7	765 120 61 372 312	1.4

n. a. Not available. « Less then one-tenth of one percent. I. Global and area totals (and Canada) Include "cash special entegory" experts (potential military cond-tenue not shipped under military grant aid programs). Individual country totals are indeed all "special entegory" experts.

Unadjusted for sensonal variations.
 Including "cash special category" for the entire error.
 You'ly average for 1946-1947.

Source: U. S. Department of Commerce, Office of Business Economies.

Impact of U.S. direct investments

United States investments are a major factor contributing to our stronger position in both these markets. During the postwar years Canada has been the most prominent country receiving United States capital. The heavy outflow of such funds from the United States has greatly facilitated the high rate of development and expansion which has characterized the Canadian economy in recent years and which, in turn, has stimulated Canadian demands for imported capital equipment, industrial materials, and other goods.

In Latin America, the other major area to which United States private foreign investment activity has been directed since World War II, Venezuela provides an outstanding example of the link between such investments and the demand for United States exports. To an important extent due to the large-scale development by American-controlled companies of Venezuela's petroleum, and more recently its iron ore industry, Venezuela's national income in 1955 was 9 times as great as in 1937. Over the same period, Venezuelan imports from the United States underwent a twelve-fold expansion and climbed even further in the first 9 months of 1956 to an annual rate of over \$600 million.

Declining role of UK market

Although during the first three quarters of 1956 United States nonmilitary exports to Europe were at an annual rate of nearly \$5 billion, the highest since 1947, Europe continued to account for a considerably smaller portion of our total exports than during either the 1920's or the 1930's. This development reflects primarily the relative decline in shipments to the United Kingdom which since World War II has obtained a far greater portion of its import requirements from the rest of the sterling area.

Although over this period Germany and France also claimed a diminishing share of United States exports, continental European countries as a group claimed about one-fourth of our total exports during 1955 and the first 9 months of 1956, a portion nearly as large as during the prewar period. This reflects the currently greater importance of Netherlands, Switzerland, Greece, Yugoslavia, and Turkey in our overall exports than in the years before World War II.

New markets in Middle East and Africa

The emergence of new markets, particularly in Middle-Eastern countries where United States interests have made

prominent contributions to the development of the petroleum industry, has also been a noteworthy feature of our postwar export trade. Exports to countries such as Iran, Iraq, and Saudi Arabia, almost negligible before World War II, have displayed an almost steady uptrend in recent years. Israel, another large postwar recipient of United States capital and of private and Government aid has likewise become a fairly significant market for United States merchandise, as have Thailand, Egypt, and the Belgian Congo.

Exports to Asia rise faster than imports

It is interesting to note that as compared with the prewar period United States exports to Asia have risen relatively much faster than our imports from Asia, while at the same time, exports to Canada, Latin America, and Europe have increased in very roughly the same proportions as our respective merchandise imports from these areas.

Whereas during the prewar period Japan financed its dollar purchases by maintaining an export surplus with the United States, during the postwar period Japan has financed a sizable portion of its increased dollar imports by means of United States Government aid and receipts from United States military expenditures. Our enhanced exports during the postwar period to some other Asiatic countries—particularly Korea, Formosa, and Indochina, have also been financed to a large extent by Government economic aid.

Diverse trends in outer sterling area markets

Export sales to India and Pakistan, also consisting in part of commodities shipped under special Government programs, have risen relatively much faster as compared with the prewar period than United States imports from these countries. In recent years the Union of South Africa has likewise developed into a far more prominent export market than before World War II, but without the need for Government aid.

United States trading relationships with Australia and New Zealand, on the other hand, have undergone an opposite long-term change, the expansion in exports to these two ** sterling area countries since the prewar period having been relatively moderate, especially when contrasted to the "corresponding rise in their sales to the United States.

Table 3.—Domestic Exports in 1955 by Geographic Areas and by Economic Categories

Exports of each economic category by area											Percent distribution of exports to each sees by economic entegory							
Årra	Area All categories, Capital equipment				Finished con- numer goods !		Uncle	Unclessified categories total		Capital equip- ment	Pro- discrs' supplies, materials	and drugs	Finished con- sumer goods 1	Un- clossi- fled				
	Million dollars	Per-	Million dollars	Per-	Million dellars	Pec-	Million dolbre	Per-	Million dollars	Per-	moilliM grailob	Per- cent	Perespt	Percent	Percent	Parcant	Percont	Per- cont
Total dementic exports, sul- justed ? (stellading military grant sid) Canada. Other Western Hemisphere. Europa. Asia and Oceania. Airend. "Cuch special extegory"	4, 116 2, 331	200.0 64.5 83.5 89.1 16.1 4.8 4.6	1, 171 1, 190 605 236 136	200.0 25.8 27.8 18.2 18.3 5.4 10.0	\$,063 1,285 1,152 2,231 982 188 719	100.0 11.6 19.0 56.8 16.2 3.1	2, 234 236 (85 1, 009 507 05	100.0 10.4 20.1 44.2 27.2	1, 245 379 440 103 146 87	280.8 30.6 36.8 15.7 7.0	179 57 70 21 21	\$1.8 \$9.1 11.7 11.7 6.8	2 100.0 2 100.0 2 100.0 2 100.0 1 100.0	36.8 34.0 34.0 15.8 27.4 87.3	342.9 33.1 40.4 40.2	7. 2 17. 4 28. 7 20. 9 10. 8	8.2 11.4 12.7 4.5 8.0 13.7	17.6 16.8 11.8 25.5 29.0

Exchaing food and drugs,
 Adjusted to exclude household and personal effects and motion picture films experted on a royalty basis.

^{3.} Includes "eash special entegory" exports; these are not available on a continent by economic entegory basis.
Source U.S. Department of Commerce. Office of Business Economics.

Demand patterns differ by area

Table 3 shows the relative weights of each of the four major commodity categories in our exports to each continent during 1955. It contrasts the remarkably similar patterns of demand on the part of Canada, Latin America, and Africa, with the considerably different structures of demand

reflected in our exports to Europe and Asia.

Whereas machinery and commercial transportation equipment comprised over one-third of the total value of our exports to Canada, Latin America, and Africa, it represented only 27 percent of total United States exports to Asia and -less than 16 percent of our aggregate shipments to Europe. Moreover, finished consumer items (other than food and drugs), a fairly substantial component of our export trade with Western Hemisphere countries and with Africa, accounted for hardly 5 and 6 percent of total 1955 exports to Europe and Asia, respectively.

Although producers' supplies and materials ranked in importance with capital equipment as an outstanding segment of United States export trade with both Canada and Latin America, this commodity category formed an even more dominant portion of our exports to the rest of the world,

particularly to Europe.

The extent to which European demand was concentrated on producers' supplies and materials and on foodstuffs, is especially striking. These basic items, which comprised over three-fourths of our overall \$4.1 billion of nonmilitary export shipments to Europe in 1955, were relatively even a larger part of our total sales to prominent individual European customers such as the United Kingdom, Germany, the

Netherlands, and Italy.

Exports to Japan were dominated by foodstuffs and industrial supplies and materials to an even greater extent than exports to Europe. This was not true, however, of exports to a number of other countries in Asia and Oceania. Sales of capital equipment bulked large in our shipments to Australia, New Zealand, India, Pokistan, Thailand, and the oil-producing countries in the Middle East. Middle Eastern countries, moreover, also devoted a sizeable portion of their total dollar expenditures to the purchase of durable consumer goods such as appliances and passenger cars.

Due to limitations in the export statistics themselves, and to the changing relative importance and varied demand characteristics of individual export markets within each major area, it is somewhat difficult to generalize and to compare these recent patterns of demand with the patterns which characterized our trade with each continent during the 1920's and the 1930's. Several outstanding changes should be noted, however, from the standpoint of their contribution to the major shifts which have occurred in the overall com-

modity structure of our export trade.

Heavy equipment to Western Hemisphere

During the postwar period machinery and commercial transportation equipment have comprised a substantially larger share of total United States exports to both Canada and Latin America than during the years before World War II, a development which accounts in large measure for the more prominent role of capital equipment in the makeup of

our overall exports during recent years.

The more than fivefold rise in such sales to Canada from 1929 to 1955 and the even greater gain as compared with 1937, coupled with similar relative advances in Canadian domestic investment, have been a major factor in the rise of the Canadian gross national product. Record shipments of capital equipment to Canada during 1956, moreover, reflect new peaks in Canadian expenditures both for new construction and for machinery and equipment.

Our currently high sales of capital equipment to Latin America, which reflect absolute and relative long-term gains rivalling those which occurred in exports to Canada, likewise may be attributed to the long-term growth of investment outlays in that area, including large United States investments. In recent years such expenditures have claimed a considerably larger share of the total goods and services available to Latin America as a whole than in either 1929 or 1937.

Since it is anticipated that in Latin America as well as in Canada, heavy construction activity will reach an all-time high in 1956, it is not surprising that construction and mining machinery, tractors, electrical machinery, engines and turbines and other heavy equipment bulk large in our current sales to both areas. Since World War II, trucks and buses and some other forms of commercial transport equipment have also become relatively more important items in exports to both areas, particularly to Latin America where much of the recent increase in new construction activity has been in highway development and improvement.

Accelerated development and expansion programs in a number of countries in Asia and Africa have likewise contributed to the increased relative importance of capital equipment in our total exports as compared with the prewar period. Nevertheless, in 1955, Canada and Latin America each accounted for between 25 and 30 percent of overall

export sales in this category.

Consumer goods sales to nearby markets

The dominant role of the rest of the Western Hemisphere. as a market for finished consumer goods (excluding food and: drugs) was also a notable feature of our postwar export. trade. As a group, Western Hemisphere countries accounted for nearly two-thirds of total United States exports. in this category during 1955, a portion considerably greater-

than before World War II.

Ranked in order of their importance, the three top customers in 1955—Canada, Venezuela, and Cuba—accounted for nearly one-half of our total foreign sales within this group. These three markets, significantly enough, arc among the few which have been relatively free from importand exchange controls during the postwar period. In Mexico, which rivaled Cuba as a market for American consumer goods, import and exchange controls have also been considerably less restrictive than those enforced by the majority of other countries.

Exports of radio, TV, and appliances

Exports of radio and TV, electrical appliances, and phonographs and records were among those consumer items toshow the largest relative gains since the prewar period. In-1955 sales to Western Hemisphere countries claimed: 83 percent of our exports of radios and TV, nearly three-fourthis. of total foreign sales of electrical appliances, and two-thirds of our exports of phonographs and records. Perhaps even more interesting is the fact that Canada by itself claimed a share of over 45 percent in aggregate United States exports of these three products.

Smaller guins in passenger car sales

Whereas exports of passenger cars to Western Hemisphere countries had more than doubled from 1929 to 1955, shipments to the rest of the world gained by one-third. European purchases rose by even less than one-third while sales to Australia and New Zealand showed a large absoluteIt is true that in 1955 the dollar volume of passenger car sales to Asiatic countries was twice as high as in 1929, while exports to the Union of South Africa—our outstanding market in Africa—had enjoyed an even greater relative expansion. The latter two markets, however, accounted for about one-fifth of total passenger car exports in 1955, only half the share accounted for by Latin America alone.

Sales of most other major types of nonfood consumer goods exports—including textiles, leather goods, and durable household equipment other than appliances—to Canada and other Western Hemisphere countries similarly exceeded

our sales to the rest of the world.

Limited consumer goods sales to Europe

In Europe, Belgium and Switzerland stand out as fairly significant markets for American consumer goods, especially passenger cars. Excluding purchases by these two countries, amounting to roughly \$70 million in 1955, European expenditures for such items, including passenger cars, aggregated hardly \$100 million. A few countries, moreover, notably Sweden, France, and the Netherlands accounted for the bulk of these purchases.

Aside from shipments to the Western Hemisphere and these five European countries, the Middle East, the Philippines, and South Africa account for most of our remaining

current export sales of such consumer end-items.

Wide gains in nonfarm basic exports

In contrast to the long-term gains in exports of capital equipment and consumer goods which were concentrated to a large extent in Western Hemisphere markets, the rise in exports of nonagricultural raw materials reflects accelerated shipments to every continent except Oceania. On the other hand, the relative long-run decline in sales of agricultural raw materials, particularly unmanufactured cotton, was almost entirely due to the weakening of demand in Europe.

Europe shifts to nonagricultural materials

Europe has continued to constitute the largest foreign market for both agricultural and nonagricultural supplies and materials. The pattern of European purchases, however, has undergone major changes. Whereas in 1929, European expenditures for imports of producers' supplies from the United States had been almost equally distributed between agricultural and nonagricultural materials, in 1955 Europe spent more than twice as much on nonagricultural supplies as on agricultural raw materials.

In 1929 and 1937, respectively, unmanufactured cotton had accounted for about one-fourth and one-fifth of our aggregate exports to Europe. Although during 1955 cotton prices were nearly 80 percent higher than in 1929 and nearly 200 percent greater than in 1937, United States sales of unmanufactured cotton to Europe were valuewise only a fraction of our shipments in 1929 and were even lower than in 1937. While in 1955 the value of exports of unmanufactured tobacco to Europe was more than twice as high as in 1929 and 1937, this was mainly a reflection of the higher tobacco prices prevailing in 1955.

By way of contrast, a number of industrially produced items such as coal, steel scrap, synthetic rubber, chemicals, and synthetic textile materials, which had been relatively insignificant or negligible in our export business with Europe before World War II, comprise a major segment of current United States export sales to that continent. Heavier ship-

ments during recent years of these and other judystrial

materials such as metals and steel have far overshadowed

the long-tun decline in our sales of petroleum products in European markets. In the prewar period, when European refineries had a far smaller capacity than in recent years, petroleum products, particularly lubricating cils and gasoline, had comprised well over 10 percent of the value of our total exports of all goods to Europe.

In the case of Asia, somewhat similar changes appear in the long-run pattern of demand for producers' supplies and materials. Over the entire period under study, Asia, especially Japan, has ranked second to Europe as a market for United States cotton. Although sales of unmanufactured cotton to Asia have been maintained to a relatively greater extent than to Europe, during recent years agricultural rawmaterials as a group have represented a far smaller share of out total sales to Asia, as well as to Europe, than before World War II. At the same time, a number of nonagricultural materials, especially coal, fertilizers, insecticides, and industrial chemicals, have become prominent items in the recent makeup of our overall exports to Asia.

Industrial materials to nearby areas

The outstanding contribution of Canada and Latin America to the long-term overall gain in exports of industrially-produced supplies and materials should be noted also. In 1955, shipments to Canada alone, amounting to over \$1.2 billion, were three-fourths as large as our sales in this category to all of Europe, while exports to Latin America aggregated well over \$1 billion. Such sales to Western Hemisphere countries, moreover, have displayed an even greater long-term growth than our exports to Europe.

Throughout the postwar period larger sales of a variety of products, including chemicals, textile materials, paper, iron and steel, and glass and other miscellaneous building materials, have characterized the overall growth in such exports to Western Hemisphere countries. In these markets sales of chemicals alone (excluding drugs and medicinals) expanded from less than \$100 million in 1929 and 1937 to well over \$450 million in 1955.

New food customers after World War II

Highlighting the shifts in foreign demand for United States. foodstuffs over the period under study were the long-run ** declining relative importance of the United Kingdom as a market and the emergence of a considerable number of new and important markets after World War II. The United Kingdom, which purchased 30 percent of the total value of United States food exports in 1929 and 1937, accounted for less than 8 percent of our food shipments abroad in 1955. On the other hand, a group of relatively new customers, whose aggregate share in the total was hardly 10 percent in these same two prewar years, provided markets for nearly 45 percent of total United States food exports in 1955. Heading the list of these new customers was Japan which in 1955 constituted the leading overseas market for American food. Also prominent were Yugoslavia, Spain, India, Israel, Egypt, and other countries with whom intergovernmental agreements had been concluded for the sales of grains, fats and oils, dairy products, irvits and other foodstuffs and agricultural items in surplus domestic supply. Shipments under such agreements also comprise a considerable portion of our current food exports to traditional foreign markets including the United Kingdom, Germany, and the Netherlands.

Gains in drug shipments to Western Hemisphere

On the other hand, the expansion in exports of drugs and medicinals by over 12 times since the prewar period can be

primarily associated with increased demands developing in the rest of the Western Hemisphere, particularly in those countries where United States companies have established facilities for the manufacture and distribution of such products. Ranked in order of their size in 1955 our leading Western Hemisphere markets were Mexico, Canada, and Panama. While Western Hemisphere countries have accounted for well over half of the long-term advance in drug exports, the large-scale gains in markets elsewhere in the world, particularly in Belgium, Italy, Japan, and the Philippines were also major contributing factors.

Export and Domestic Production

Before proceeding to the analysis of the effects of exports on individual domestic producers, it should be noted that much of the production data used herein for the wide range of commodities making up United States exports are based on preliminary reports from the 1954 Census of Manufac-

Table 4.—Distribution of Exports by Share of Domestic Production

	1	929	į.	187	1	954
Commodity moup and percentage of production exported	Mil- Non5 of dollars	Percent of expects	Mil- lions of dollars	Percent of exports	Mil- Hons of dellars	Percent of exports
Total domestic exports adjusted (excluding military great aid): Percent of production exported:	5, 130	288, p	3, 286	100.0	12, 707	100.0
0-4	604 651	11.1 12.7	\$33 P05	27.5	2,330 2,415	18.3 18.0
10 percent and over 10-12 20-23 30-30 40 and over Updistributed 2	3, 156 1, 234 134 832 961 759	61,7 44,3 24 16,2 18,8 14,5	1, 445 252 470 643 51 502	44.2 8.5 14.5 18.0 16.2	5,601 2,427 2,318 576 280 2,981	14.1 19.8 18.8 +8 2.8 18.6
Capital equipment exports, total (machin- ery and transportation equipment) Percent of production exported:	1,626	160,0	765	100.0	4, 407	200.0
0-4	65	0.8	53 76	6.8 10.2	269 484	28.0
10 percept and over 10-19 20-29 80-39 Undistributed 2	214 214 291 275	40, 3 41, 8 7, 9 48, 4 40, 8	435 82 368 47 160	65. 4 10.7 48.6 0.1 18.6	2, 405 1, 140 792 467 870	55,5 58,4 19,6 11,6 21,7
Producers supplies and materials ex- ports, tetal	2,823	200.0	1, 943	100.0	5, 460	106.0
0-4. 5-9.	908 459 !	7, 8 17, 5	175 561	6. # 80. 6	916 I, 646	16.8 30.1
10 percent and over	1,710 831 39 385 853 420	60, 6 13, 7 1, 4 13, 6 53, 9 14, 6	257 181 109 591 28	45, I 6.6 5.7 51, I 1, 4 16, 8	1, 927 297 1, 407 80 153 071	35.3 5.6 \$5.7 1.6 \$.9 17.6
Foregreen of production experted:	781	100.0	288	200,0	E, 988	100,8
0-4	148 29	18.7	109 59	37. D 23. S	266 176	13.8 9.1
10 percent and ever	516 347 4 158 11 59	68.8 46.1 60.7 1.6 7.8	95 60 5 25 45	\$3.0 \$0.9 1.7 2.7 35.6	1, 214 941 119 29 127 270	68.1 48.8 6.2 1.6 8.6 14.0
Finished consumer goods (excluding foods and drags), total,	528	100,0	328	300.0	1,112	100.0
H	196 67	\$7.7 18.7	97 207	89. G 83. T	670 109	79.0 2.8
(0 percent and over 10-19.	312 812	59_7 69, f	3	2.7 2.7	53 53	4.8 4.8
20-28 30-39 Undistributed 3			15	1.0	711	8.4
Unclassified by category Undistributed >	2	100.0 100.0	2 2	198; 0 100, 0	170 170	200.0 100.0

^{1.} Adjusted to exclude household and personal effects and motion picture films exported

Source: U. S. Department of Commerce, Office of Business Economics.

tures which have only recently become available. Although the conclusions drawn below from the export-production pattern in 1954, as compared to earlier years, can generally be considered to apply to the most recent years, it is significant that almost 60 percent of the total \$3.7 billion rise in domestic exports from 1954 to January-September 1956 originated in the capital equipment and foodstuffs industries which as a group rely on export markets to a far greater extent than other segments of domestic industry (see below). This suggests that the 1954 data may considerably understate the current impact of exports on domestic production. Hence, wherever possible, more recent production information for individual industries is used throughout the discussion.

Changing pattern of exports to production

Nearly 45 percent of this country's total exports in 1954 was supplied by producers whose foreign sales were 10 percent or more of their overall output (see table 4). Even more significantly, one-fourth of all exports in that year came from industries whose foreign sales comprised more than 20 percent of total sales. In 1937, as in 1954, about 45 percent of total exports originated in industries shipping 10 percent or more of their production to foreign countries. In 1929, however, the comparable share was over 60 percent.

A number of industries which in 1929 had exported 10 percent or more of their total output currently ship less than 10 percent of their overall production abroad. Some of these industries, such as those producing plastics and synthetic resins and other industrial chemicals, were actually among those which experienced long-term gains in export sales and which currently account for a larger portion of our total export business than they did in 1929. Export shipments by such industries, notwithstanding their large-scale expansion, simply failed to keep pace with domestic marketings which have undergone an even greater long-term growth.

A number of other producers which both before and after the war have exported more than 10 percent of their entire output presently account for a smaller share of total exports than in the 1920's. This is especially evident within the producers' supplies and materials category and reflects in great measure the failure of certain agricultural producers to advance their foreign sales at the same rate as nonagricultural producers, and in some cases to maintain even their

former volume of foreign shipments.

Certain new industries, on the other hand, whose foreign sales were negligible or nonexistent in the twenties (e. g., synthetic textiles, rubber) have provided a substantial new increment to exports in recent years although representing

less than 10 percent of the industry's production.

Table 4 shows that the sharp uptrend in capital equipment exports over the period under study has been sparked by the relatively more export-dependent industries, that is, those which distributed 10 percent or more of their output in foreign markets. Such industries provided 60 percent of all capital equipment exports in 1954, about the same portion as in 1929 and slightly less than in 1937. Producers that shipped 10 percent or more of their output abroad likewise contributed over 60 percent of all exports in the food and drug category during 1954, a share greatly in excess of that in 1937 and almost equal to that in 1929. By contrast, in each of the two other major categories of exportsproducers' supplies and materials and nonfood consumer goods—the portion of foreign sales supplied by industries exporting over 10 percent of their output declined in 1954 as compared with both 1929 and 1937 (see table 4).

As a consequence, the capital equipment and the food and drug categories in the more recent period have contributed a rising share of those exports which constitute "10 percent

or more" of production (see table 5).

on a royalty bagis.

2. Items for which related production data were not available.

Machinery exports are greater share of output

Within the capital equipment category exports of machinery since 1929 grew considerably more than exports of commercial transportation equipment. Nearly 75 percent of machinery sales to foreign countries in 1954 can be traced to industries which exported from 10 to 30 percent of their production. In view of the heightened postwar demands of the domestic economy for their products it is doubly significant that a number of the major industries within this group were able to export a greater share of their total output than in the years before World War II. Prominent among such industries were producers of construction and mining equipment, textile machinery, paper bag and boxmaking and a variety of other "specialized" machinery relatively new in our export trade (plastic and rubber processing devices, industrial separators, heat exchangers, etc.).

Table 5.—Distribution of Exports Which Represent 10 Percent or More of Production, by Major Categories

·	1 19	29	10	37	1954		
Category	Millions of dol- lars	Percent of experts	-fob to	Percent of caports	of dol-	Percent of exports	
Total	3, 156	200	1,448	199	2,602	280	
Capital equipment. Productry supplies and materials. Food and drugs. Other finished consumer goods.	1,770 518 312	10 14 10	485 867 25 9	\$1 89	2, 405 I, 937 1, 216 53	#	

Source: U. S. Department of Commerce, Office of Business Economics.

In recent years nearly 90 percent of total exports of construction, excavating, mining and related equipment was produced by industries which marketed not less than 10 percent of their production in foreign countries. The construction and mining equipment industry alone, which in 1954 accounted for more than half of the aggregate exports of this group of related industries as a whole, channeled more than one-fourth of its output into foreign markets. In 1929 this industry had marketed abroad less than 20 percent of a far smaller output (see table 6).

Tractor exports parallel domestic output

Foreign sales have also provided an impetus to the longterm growth in domestic tractor production. The fourfold expansion in tractor exports, including industrial types, since 1929 has virtually paralleled the rise in domestic production over the same period, with exports accounting for 33 percent of total output in 1929 and 30 percent in 1954.

Table 6.—Exports of Principal Machinery Items

						_	
	10	120	19	837	1964		
Commodity	lions of	Percent of pro- duction	lions of	Percent of pro- duction	lices of	Percent of pro- duction	
Gasstruction and mining equipment Textile machinery. "Specialized" equipment Tractors. Agricultural machinery. Electrical machinery. Machine tools. Hand tools.	30 14 (4) 78 60 94 20 17	18 18 18 18 18	36 11 (*) 88 22 57 88 20 13	28 10 20 8 4 30 11	311 82 182 325 120 388 79 109	#7 #7 #8 #8 #8 #8 #8 #8 #8	

g Negligible. Source: U. S. Department of Commorce, Office of Business Bossomics.

The 1954 export-to-production ratio for tractors was the highest in the entire machinery group. Although the ratio declined moderately to 26 percent in 1955 this does not necessarily denote a dropoff in the strong postwar foreign demand for tractors produced by United States manufacturers. Such producers have greatly stepped up their output in affiliated enterprises abroad. Production originating in these foreign facilities has satisfied a growing segment of foreign demand arising from both within and without the countries in which such facilities are located. Notwithstanding that such production also affected exports of agricultural machinery, foreign sales represented at least 12 percent of domestic output in 1954 (see table 6).

This table also shows that the uptrend in exports of such products as machine tools, internal combustion engines and hand tools has likewise contributed heavily to the long-term

growth in output of the supplying industries.

Aircraft producers benefit from exports

Expanding exports of commercial transportation equipment over the long-term period have likewise stimulated domestic production in the major component industries of this group—aircraft, railroad equipment, and commercial vehicles (trucks and buses). In 1954 industries which devoted 20 percent or more of their output to foreign sales accounted for four-fifths of aggregate exports of transportation equipment (excluding automobile parts for which comparable production data are not available).

The prominent contribution of foreign sales to domestic production is especially noteworthy in the civilian aircraft industry. Here, exports in 1955 were over one-third of total output, far eclipsing the 10 percent in 1929. The emergence of commercial aircraft exports from its infant status in foreign trade three decades ago is evident by comparison of the \$140 million annual rate of exports in January-September 1956, representing over 10 percent of all commercial transportation equipment sales abroad, with its 1925-29 average value of \$2 million. The status of orders (as of October 1958) from foreign-flag airlines foretells the continued expansion of United States shipments in 1957, with large deliveries scheduled beyond that as shipments of large, high-priced, jet-powered planes get underway.

Exports support railroad equipment output

Although the growth since the twenties in railroad equipment exports as a group has not been especially outstanding, foreign sales have at various times and for different industries within the group performed an essential role in bolstering domestic production. This is strikingly illustrated in the case of railroad passenger cars in 1954. In that year large shipments to Canada served to brake the production drop and boosted total foreign sales to 240 units (\$41 million), over 40 percent of total output. With the completion of Canadian orders and the subsequent upturn in domestic business in 1955, the proportion of production exported declined to 10 percent, still substantially above the 6 percent exported in 1929, while no foreign sales were recorded in 1937. United States railroad equipment manufacturers are actively cultivating foreign markets by designing products for export that meet the peculiar railroading problems of their foreign customers.

Truck exports smaller share of output

In contrast to the greater contribution of experts to domestic output in the aircraft and railroad equipment industries, rising foreign sales of trucks and buses have failed

to keep pace with the far greater gains in domestic sales. While exports in 1955 accounted for as much as 16 percent of total production, table 7 shows the steady decline in this relationship from the 30 percent in 1929.

Table 7.—Exports of Principal Commercial Transportation Equipment

	13	40	10	87	19	54	1966					
Commedity	Mil- lions of dollars	Per- cent of pro- duc- tion	Mij- itous of dollurs	Per- cent of pro- duc- tion	Mit- lions of dollars	Per- cent of pro- duc- tion	Mu- lions of dollars	Per- cent of pro- duc- tion				
Civilian afroratt Locemotives Preight care Railrood passenger Care Tyuck and bases	9 6 100	10 11 4 8	39 4 3	#1 6 4	102 67 13 41 375	10 16 18	20 20 25 401	2.8. 2.8. 11 10 18				

a.n. Not available.

The increase in United States truck and bus exports over this period has likewise failed to keep pace with the unprecedented rise in the number of such vehicles in use outside . the United States. This is the result, on the one hand, of greater local production in previously large foreign markets - (e. g., Australia), and on the other of increasingly effective competition from the United Kingdom and Germany in Europe and areas outside the Western Hemisphere.

Producers' materials less export-dependent

The substantial long-term rise in exports of producers' supplies and materials, though not so great as the growth in capital equipment exports, was characterized by a shift away from the relatively more export-dependent agricultural commodities to the relatively less export-dependent nonagri-cultural commodities. Table 1 shows the declining share of agricultural commodities in the total category of producers' supplies and materials from almost 40 percent in the 1925-29 period to 34 percent in the thirties and finally to 16 percent during the first three quarters of 1956. The resulting effect on the export-to-production relationships for the category as a whole is shown in table 4. Whereas in 1929 producers that marketed 10 percent or more of their output abroad accounted for 60 percent of all exports of that category, similarly export-dependent producers contributed only 45 percent of the total in 1937, and in 1954 just over one-third.

Pronounced decline in cotton and tobacco

The diminished share of agricultural raw materials exports was dominated by the decline in cotton and tobacco. Although exports of these products in 1955 still accounted for about one-fourth of their respective crops, this represented a long-term drop from the 45 to 50 percent absorbed by foreign markets in 1929 and the 30 percent in 1937. This downward movement is expected to be reversed in 1956-57 when exports, stimulated by United States Government surplus disposal programs, will take a far larger share of the current crop than in any recent year and approach the rate of earlier periods. Up to the present, at least, the increase since World War II in foreign marketings of other export dependent agricultural materials, like tallow and flaxseed, have been insufficient to offset the long-run decline in cotton and tobacco.

U.S. leads in manufactured raw materials

The swing in our industrial markets abroad, particularly Europe, to the greater use of manufactured raw materials of the newer type—synthetic fibers and cloth, synthetic rubber, plastics and related chemicals—reflects a changing pattern of industrial raw material consumption. Despite rising foreign demand in recent years, however, domestic purchasers continue to provide the dominant market for these materials, with foreign sales generally accounting for less than 10 percent of production. The capital-intensive nature of the synthetic and chemical industries and the complex production processes involved suggests that production in a number of foreign countries has expanded at a slower rate than demand, requiring greater imports from the United States.

Record coal exports bolster output

Record coal exports in 1955 and 1956 were a prominent factor in bolstering previously sagging domestic coal output. Such shipments have accelerated at an even faster pace than rising domestic sales and accounted for 11 percent of total output in 1955 and nearly 14 percent in the first 9 months of 1956, compared to 8 percent in 1954. Rapidly rising steel production in Europe and Japan, which has impinged severely on available resources in these areas, has called for substantial acquisitions of coal from outside sources. It has been estimated by the European Coal and Steel Community that for every 1 percent increase in steel production, a half million more tons of coal is consumed.

Table 8.—Exports of Principal Producers' Supplies and Materials

	14	229	16	13 7	19	154	19	65
Commodity	Mrt- Hons of dollace	Per- cent of pro- duc- tion	Mil- tions of dollars	Per- cent of pro- duc- tion	Min- hons of dollars	Per- cent of pro- duc- tion	Min- lions of dollars	Por- cout of pro- duc- tion
Agricultural								
Raw cotton Tobacco, leaf Tallow Flavaced (including	764 146 (*)	48 44	360 134 (*)	91 3#	768 303 91	48 26 45	477 355 108	#5 #3 45
linseed off)	(*)		(4)		56	48	10	84
Negative and synthesis resides Synthesia broad- woven textiles Synthesia rabbar	¢ 2	<i>13</i>	8 5	28 2	92 93	. 3	219 08 61	3. D. 6
Conl-tar intermediates. Trougonic chemicals. Anti-melic conl. Butuminous conl. Iron and steel scrap	4 30 33 65 8	80 va 6	10 25 13 49 79		93 24 128 95 52 253	5 10 8	130 192 48 436 174	\$ 14 111 12 14 15 15
Other from and steel Refined petroloum products*	183 491	18	195 254	8	686 615	5 4	779 510	. ε . +

Source: U. S. Department of Commerce, Office of Business Economics.

Record exports of steel scrap can likewise be traced to the unprecedented rise in steel output abroad. Such foreign sales were of particular significance to the scrap dealers on both East and West coasts who frequently find foreign markets more profitable than sales to the large inland domestic steel-producing centers. These dealers supplied an estimated two-thirds of all scrap exports in 1955.

Source: U. S. Department of Commerce, Office of Business Economies.

r Neglible. n.n. Not available.

1. Innuary-Suptember 1936 exports were 14 percent of production.

2. January-Suptember 1936 exports were 15 percent of available supply.

3. Includes motor facts, gas and fact oil, tubricating oil and kerotens.

Diverse trends in consumer goods

Table 4 contrasts the strikingly reduced export-dependence of finished (nonfood) consumer goods industries as a group with the sustained relative dependence on foreign sales of the food and drug group of producers. In the latter group, producers marketing from 10 to over 40 percent of their output abroad accounted for almost two-thirds of all food and drug

Table 9.- Exports of Principal Food and Drug Items

	19	29	16	137	19	154	10)55
Commodity	Mil- lions of dellars	Per- cent of pro- duc- tion	Min- Noos of dollars	Per- cent of pro- duo- tion	Mil- lions of dollars	Persont of pro- due- tion	Md- tions of dollars	Per- cent of pro- duc- tion
Food								
Whest, including four- Rice Corn. Oraln sorghum. Barloy	1€ 33 2	15 59 6 5 18	51 7 5 (*) 9	(×)	422 106 132 18 37	19 46 5 14 8	480 81 270 06 89	28 20 3 22 23 23
Lard	108	58	16	10	84	#0	76	\$1
uets	1	11	1	ž	143	81	194	18
ueta	13	15	2	1	71	16	82	45
Dry nonfat milk solids, Cheese Butter	11 2	(1) 1	88		1 5t 1 19 1 42	18 3	* 63 * 54 * 92	38 !! !4
Conned fruit	a	19	21	1#	32	6	36	ø
fruit	25 25	86 16	25 L3	+5	31 7	#5 2	32 9	2G
juioss	19	10	10	6	50	10	49	10
canned	20	7	13	ź	56	4	06	n.¢.
Drugs	į l							
Biological products Other drugs and medi-	3	18	3	18	29	30	29	p.a.
othes	10		15	. 1	2 5	18	198	D. D.

Source: U. S. Department of Commerce, Office of Business Economies.

exports in 1954, almost double the portion accounted for in drought-affected 1937, and only slightly below the 68 percent of 1929. By contrast, the portion of total foreign sales of finished (nonfood) consumer goods supplied by industries exporting 10 percent or more of their output dipped sharply from over 60 percent in 1929 to just 3 percent and 5 percent respectively in 1937 and 1954.

Exports top growth in food output

The secular upward trend in domestic production of virtually all the major food products has been exceeded by an even greater long-term rise in the volume and value of foreign marketings. Last year the following proportions of domestic grain production went abroad: Wheat, 28 percent; rice, 26 percent; grain sorghums, 22 percent (see table 9). Eliminating the quantities that go into storage and considering only those that go into actual use, exports accounted for even greater percentages of output marketed: Wheat, 32 percent; rice, 48 percent; and grain sorghums, 31 percent.

Table 10.—Exports of Principal Finished (Nonfood) Consumer Goods

	1039		16	137] 18	64	1953					
Commodity	Mil- lions of dollars		Mil- lims of dollars	Per- cent of produc- tion	Mil- lions of dullars		Mil- lions of dollars	Per- cent of produc- tion				
Passenger cars Refrigerators Home-type freezers Washing machins Television receiving sets Radio receiving sats Home air conditioners Apparel Gigaretes	294 10 9. a. 2 n. a. 10 n. a. 81	10 8 n. 4. 5 n. 4. 7	161 13 n. s. 2 8. s. 16 2. c. 25	7 1. c. 5 7. c. 8 7. c. 8 7. c. 1 5	38d 53 7 10 28 8 17 106 57	***************************************	461 51 12 10 11 9 18 113 58	5952 10.4.4				

Not available The number of passenger cars experted was as inhows: 1929, 481,000; 1937, 273,000; 1954, 207,000; 1965, 334,000.

Source: U. S. Department of Commerce, Office of Business Economics.

Table 9 also contrasts the outstanding growth, and the considerable significance to producers, of exports of fats and oils and dairy products, with lagging exports and the declining importance of foreign markets to producers of fresh and processed fruits.

The pioneer position of the United States in the production of antibiotics, vaccines, serums, and other drugs and medicines, combined with greater efforts after the war to improve public health—especially in the newly independent countries of the Far East—has propelled foreign sales at an even faster clip than domestic marketings.

Passenger car exports lose ground

The diminished contribution of export sales to production of nonfood finished consumer goods in the aggregate, already . mentioned, reflects preponderantly the dwindling volume of passenger car sales in foreign markets while domestic business has enjoyed unprecedented prosperity. Foreign sales, 10 percent of total domestic output in 1929, accounted in 1955 for only 3 percent of production. In the expanding world market for passenger cars the United States has steadily lost ground, its share falling from over 40 percent of world exports in 1938 to less than 20 percent in 1955. While exchange restrictions were undoubtedly an important factor in this development, high gasoline and other taxes in many parts of the world also contributed to this trend.

z Negligible. n. s. Not available. 1. Includes dried whole rolls. 2. Includes estimates for rolle/ shipments.